



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,454	07/10/2003	Anssi Haverinen	878.0034.U1(US)	3229

29683 7590 02/21/2007  
HARRINGTON & SMITH, PC  
4 RESEARCH DRIVE  
SHELTON, CT 06484-6212

EXAMINER
----------

PATEL, NIKETA I

ART UNIT	PAPER NUMBER
----------	--------------

2181

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/21/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/617,454	<b>Applicant(s)</b> HAVERINEN ET AL.	
	<b>Examiner</b> Niketa I. Patel	<b>Art Unit</b> 2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 6-14 is/are rejected.
- 7) ☒ Claim(s) 3-5 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/26/2007</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935).

Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 01/26/2007 has been entered.

### ***Information Disclosure Statement***

2. The information disclosure statement filed 01/26/2007 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the "European Search Report" is erroneously listed under "Foreign Patent Search" section. It has been placed in the application file, but the information referred to therein has not been considered as to the merits.

Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-2, 6-14 rejected under 35 U.S.C. 102(b) as being anticipated by Kacines U.S.

Patent Application Publication No.: 2001/0054102 A1 (hereinafter "*Kacines*").

5. **Referring to claims 1, 9, 13, *Kacines*** teaches, taking claim 1 as exemplary, data handling apparatus capable of operating in a system in which two or more devices are connected by a data bus for the transmission of communications there between, the data bus having two or more data lines and each of the two or more devices having: two or more data bus connectors, each for connection to a respective data line of the data bus [see paragraphs 4-5]; an identity acquisition unit capable of functioning in a first mode of operation [see paragraph 4-5, login process begin...a pattern of requests...the value of successive bit positions of the devices identification numbers...traverses a binary tree...thereby determining the identification number of the device; paragraphs 14-16] of the device to receive data transmitted over the data bus and in response to the order in which the bits of one or more data words of a predetermined form are received on the data bus connectors during the first mode of operation determine an identity for the device and store the identity in an identity store of the device [see paragraphs 21-24]; and a data handling unit capable of functioning in a second mode of operation of the device to handle communications transmitted over the bus and that specify the identity stored in the

Art Unit: 2181

data store as a destination [see paragraphs 4-5, 14-16, 21-24.] Claims 9 and 13 recite similar limitations and therefore rejected for the same reasons.

6. **Referring to claims 2**, *Kacines* teaches a data handling apparatus as claimed in claim 1, wherein the identity a uisition unit is arranged to process each of the one or more data words of a predetermined form in accordance with a look-up table in order to determine the identity for the device [see paragraphs 4-5, 14-16, 21-24.]

7. **Referring to claims 6**, *Kacines* teaches a data handling apparatus as claimed in claim 1, wherein the device is a data processor [see paragraphs 4-5, 14-16, 21-24.]

8. **Referring to claims 7**, *Kacines* teaches a data handling apparatus as claimed in claim 1, wherein the device is a memory device [see paragraphs 4-5, 14-16, 21-24.]

9. **Referring to claims 8**, *Kacines* teaches a data handling apparatus as claimed in claim 1, wherein the device is defined on an integrated circuit and the data bus connectors are connectors for communicating to and/or rom the integrated circuit [see paragraphs 4-5, 14-16, 21-24.]

10. **Referring to claims 10**, *Kacines* teaches a data handling system as claimed in claim 9, comprising a further device connected to the bus and capable of functioning to transmit the said one or more data words of a predetermined form over the data bus [see paragraphs 4-5, 14-16, 21-24.]

11. **Referring to claims 11**, *Kacines* teaches a data handling system as claimed in claim 10, w rein the further device is capable of triggering the data handling devices to enter the first mode of operation [see paragraphs 4-5, 14-16, 21-24.]

Art Unit: 2181

12. Referring to claims 12, *Kacines* teaches a data handling system as claimed in claim 10, wherein the data handling devices are arranged to automatically enter the first mode of operation upon an initialization of the system [see paragraphs 4-5, 14-16, 21-24.]

13. Referring to claims 14, *Kacines* teaches a method as claimed in claim 13, comprising: in a second mode of operation of the device, handling by means of a data handling unit of the device communications transmitted over the bus and that specify the identity stored in the data store as a destination [see paragraphs 4-5, 14-16, 21-24.]

***Allowable Subject Matter***

14. Claims 3-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

15. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record taken alone or in combination with other does not teach and/or fairly suggest the limitation of a multiplexing arrangement located between the data bus connectors and the data handling unit and arranged to, in at least the second mode of operation, re-order in accordance with the stored identity data received from at least two of the data lines of the bus and passed to the data handling unit, in combination with other recited limitations.

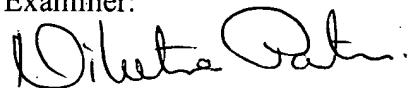
Art Unit: 2181

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Niketa I. Patel whose telephone number is (571) 272 4156. The examiner can normally be reached on M-F 8:00 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on (571) 272 4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner:



Niketa Patel

02/16/2006